



New York Office,
35 Broadway.

Cambridge Roofing Co ,

Manufacturers of

Crowl's Patent Steel Roofing,
Plain Rolled Steel Roofing,
Patent Crimped Edge Iron Roofing,
Rolled Cap Iron Roofing,
Eureka Iron Roofing,
Corrugated Iron Roofing,
Corrugated Iron Siding and Ceilings,
Beaded Iron Siding and Ceilings,
Iron Clapboards,
Ridge Capping,
Eave Troughs,
Conductors, Cornice,
Mixed Paints, Etc., Etc.

Cambridge Roofing Co ,

Cambridge, Ohio.

Introduction.

IN coming before the public with our Eighth Annual Catalogue we do so with the kindest regards for those who have so well sustained us with their patronage from year to year, and with no little satisfaction and sense of pride that the merits of our goods have enabled us to retain the good will and favors of so large a host of friends through the hot fire of competition. During the past year we have been obliged to greatly enlarge our works and to put in new machinery in order to meet the increased demands for our goods. There also has been located in our city one of the finest equipped Rolling Mills in the country for making Steel and Iron Sheets for roofing purposes. This will interest our trade as it enables us to obtain the finest quality of sheet right at our door, thus saving us the expense of shipping raw material and enabling us to fill all orders, special and otherwise, promptly. We have tried to illustrate in this Catalogue the different uses of iron and steel for building purposes, and hope we have not failed to show that we are keeping abreast with the enterprise of the times. We ask your careful perusal of its pages.

Assuring the trade that we propose in the future, as in the past, to sustain the quality and reputation of our goods and soliciting your favors, we are

Yours truly,

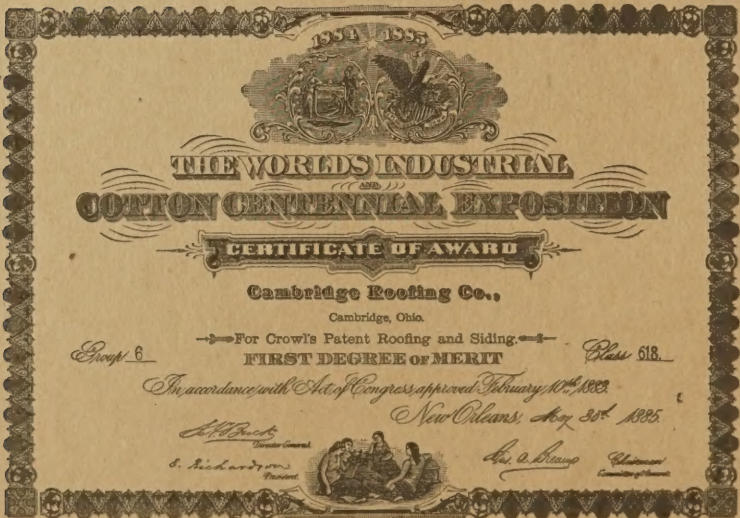
CAMBRIDGE ROOFING CO.

PART FIRST

Steel Department.



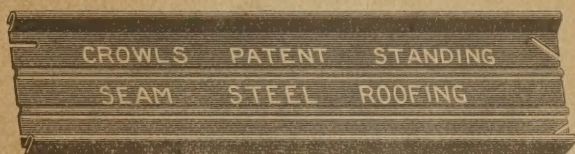
CERTIFICATE.



The above are perfect copies of the Medals and Certificate awarded us for Crowl's Patent Steel Roofing by the World's Industrial and Cotton Centennial Exposition, held at New Orleans, Louisiana, 1884 and 1885.

OUR SPECIALTY.

Crowl's Patent Steel Roofing Standing Seam.



THESE CUTS SHOW A SHEET OF OUR CROWL'S PATENT STEEL
ROOFING

Made Ready to Crate and Ship.

MADE OF PURE STEEL.

The ONLY Standing Seam Roofing

HAVING THE BUCKLE TAKEN OUT OF THE SHEET,

Which Is Accomplished by a Patented Process.

IT COMBINES THE QUALITIES OF

Corrugated and Standing Seam Roofing in One.

No Rattling on the Roof by the Wind. The Seams are all
Turned, Forming Caps on the Sheet, and the Ends
are Snipped for End Locks.

ALL READY TO LAY WHEN SHIPPED.

Painted on Both Sides with Superior Oxide Iron Paint. These
Goods are in Every Respect Superior to Separate Cap Roofing.

SAMPLES SENT ON APPLICATION.

CROWL'S PATENT STEEL ROOFING.

This roofing is suitable for all classes of buildings, especially Factories, Mills, Elevators, Sheds, Barns, Fair Buildings, Cotton Gins and Railroad Buildings. It has become popular all over the country for these purposes and noted for the following qualities :

- 1st. It is made of the finest material, viz. : **Pure Steel.**
- 2d. The buckle, which is in all sheet metal, is taken out by our patented process.
- 3d. Each sheet being fastened separately and securely, and buckle being taken out, it does not rattle on the roof.
- 4th. All expansion being provided for there is no bulging by heat.
- 5th. The caps are formed on the sheet and are part of it, so they cannot get loose and blow off like separate caps.
- 6th. It comes all ready to lay and hence can be laid rapidly.
- 7th. The sheets being held together by cleats as well as to the roof, there is no punching or riveting and no nail head to rust by being exposed to the weather.
- 8th. Taking quality into consideration it is the cheapest metal roofing made to-day.
- 9th. It is handsome, fire proof and very durable.

KIND AND QUALITY OF MATERIAL USED.

We use only one kind of material for our Crowl's Patent Roofing, viz. : **Pure Steel.** It is very tough and pliable and can be bent either way of the grain without cracking, making it peculiarly adapted to this style of roofing. In weight it is what is called Standard Gauge or our No. 26 and will weigh, when laid, about 80 pounds per square. This is heavy enough for any purpose where a Standing Seam Roofing can be used. Quality is more to be considered, when selecting a roofing, than weight. Weight adds to its cost without corresponding value, as the Standard weight will last two generations if cared for, and heavier would do no better. Where a heavy roofing is needed to lay on rafters without lath or sheathing, our heavy corrugated iron is recommended.

SIZE OF SHEETS.

Each sheet of steel when made measures 24 x 101 inches. This is the only size we use for Crowl's patent. It is easily cut to fit any size of space and the sheets are locked together by turning ends and hooking them into each other and hammering down the joint. All pieces are used and no waste occurs. We allow for the seams and one inch on ends for locks and give six sheets for one square.

HOW SHIPPED.

We put it up securely in crates so as to protect it in transit. Each crate is marked with number of sheets. We always send along with it enough cut cleats to put it on, free of cost. Nails and paint are charged for when furnished. When ordering give full shipping directions and specify all you want sent with it.

TOOLS.

To put on Crowl's Patent Roofing it requires a pair of common tinner's snips, end turner and pair of tongs for closing up the seams or edges. If needed we loan these for first bill and then if party desires to keep them for future use we will sell them at the following prices, viz.: Tongs, \$2 per pair; Snips, \$1.75; End Turner, 50 cents. If returned it is very important that the name of party returning them should be written on card attached to them, in order that we may know who to credit. If tools are sent with roofing shipped C. O. D., they are added to bill and when returned we refund the price less the express charges. The shipping expenses should always be prepaid on tools when returning them.

FOUNDATION FOR ROOFING.

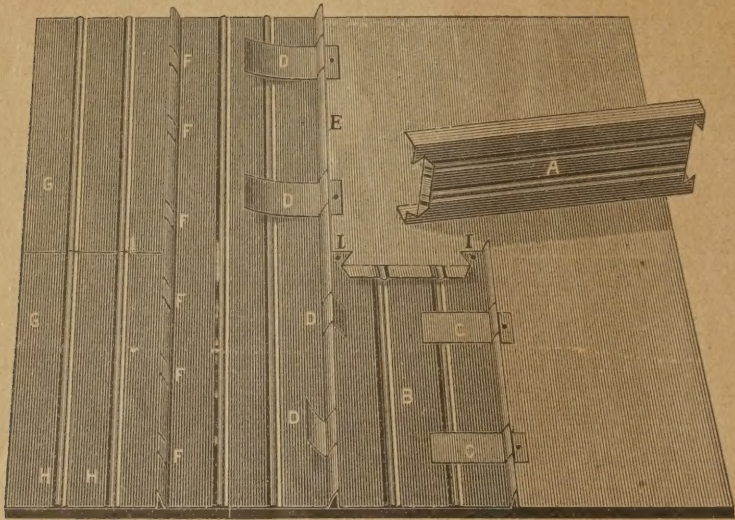
Crowl's patent roofing can be laid on sheathing or laths. Sheathing, even of poor rough boards, makes the best foundation. Where laths are used they should be put from 6 to 8 inches apart. We recommend using felt under the roofing to protect it from all moisture, hot air or steam. We keep it in stock and can furnish it at a cost of 25 cents to 33 cents per square.

PITCH OF ROOF.

Crowl's patent should not be laid on a roof having a pitch flatter than $1\frac{1}{2}$ inch per foot; $\frac{1}{4}$ or $\frac{1}{2}$ pitch is preferable for any style. For flatter than $1\frac{1}{2}$ inches to the foot see our Plain Rolled Steel, page 10, or Rolled Capped, page 12.

DIRECTIONS FOR LAYING CROWL'S ROOFING.

When the roofing is received it has the edges all turned and the ends snipped ready to turn for the end locks. The ends are turned with an end turner. Turn the end slitted slanting up and the other end down. When commencing first course turn one of the edges down to fit down over the weather-board and nail it, so as to keep the wind from getting under. The end at the eave should be turned down and nailed to the eave board. Before putting cleats on the edges, close the seam up close. Drive the nail in the cleat up close to edge—not driving the nail off at the end of the cleat; the closer the nail is to the edge or seam the better it will hold. Fasten end by driving nails into the ears of the upper end and also fold a cleat into lock and nail it. Lock the ends of sheets together and hammer the lock down solid with mallet. When comb is reached cut off the sheet one inch longer than roof, as this inch will be needed to make the comb. The piece cut off use to commence next course with, thus preventing any waste of material, and also breaking joints. The cleats on the side should be put about one foot apart. These cleats are long enough to bend back over the outside sheet, thus holding the sheets together as well as to the roof. When laying the opposite side of a ridge roof the sheets should be cut off two inches longer than the roof in order to finish the comb, as the ends of one side lock into the ends of the other side.



No. 2.

Cut showing how Crowl's Patent Roofing is Laid.

A shows sheet ready to lay, end turned ready to lock into B.

B shows sheet laid and cleated.

C C show side cleats nailed and ready for the next sheet.

D D show cleats in process of being bent over to hold the sheets together instead of punching seams.

F F F F F F show cleats pinched up tight and seams finished.

G G show two first sheets laid with one edge turned down and nailed to weather board and end at eaves turned down and nailed, and middle end lock finished.

H H show two middle corrugations which is done by our patented process to take buckle out of the sheet and make it stiff. No other make can have this.

E shows edge or seam closed up tight before cleats are put on.

I I show ears on end of sheet nailed.

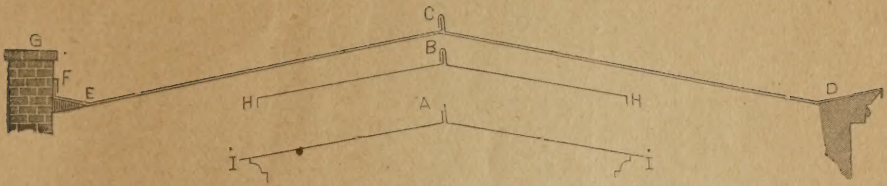
There should be a cleat in upper end of sheet B between I I. It is not shown in this cut.

COMB.

In order to turn the ends, as shown by cut No. 3, to make the Comb, flatten down the seam for about six inches, as shown by cut No. 4. After the ends are turned up anchor them with cleats, so as to hold it firm. The 2-inch side is then turned down over the 1-inch and folded tight with tongue. Capping like cut No. 33 on page 25 can be used, and is sometimes used for the comb.

HIPS.

Hips are made with Standing Seam Roofing same as combs, or capping can be used.



No. 3.

Cut showing how to form Comb on Standing Seam Roofing.

A shows the one inch and two inch edge turned up at ridge.

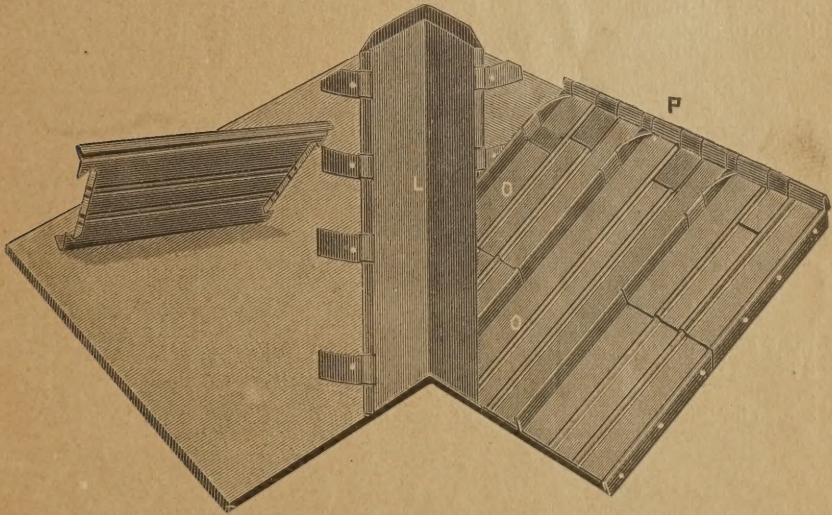
B shows the two inch edge bent over the one inch edge.

C shows the comb seam finished.

When ordering add enough to make bend downs at eave and comb. Add six inches at least to size of roof each way.

VALLEYS AND CUTTERS.

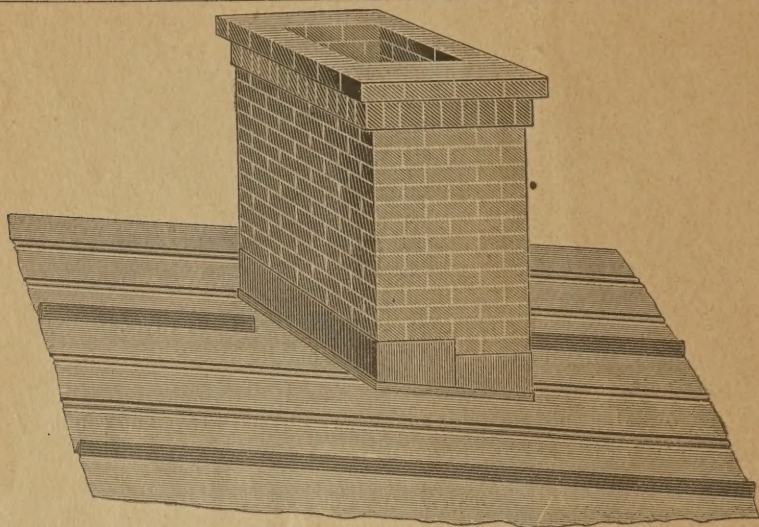
To make a valley or gutter take our painted steel or calamined steel and place it in the gutter or valley and turn and cleat the edges. See L in cut No. 4. Cut the ends of the sheets same angle as valley or gutter and then turn the ends and lock them into the valley and hammer them down solid with



No. 4.

Cut showing how to make Valleys and Gutters.

mallet. See O O. In order to turn ends of sheets either flatten seam down or cut it off. P shows how ends are turned at comb. The valley piece L is either 27 inches wide or $13\frac{1}{2}$ inches wide, or we can cut the 27 inches wide down to 20 or 24 inch and charge for the waste. Where we cut the sheet in the middle and make two pieces $13\frac{1}{2}$ inches wide we do not make any extra charge.

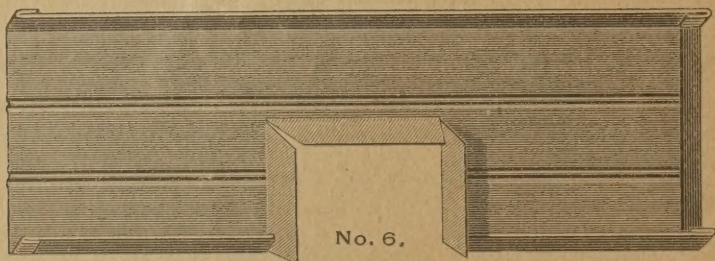


No. 5.

CHIMNEY WITH FLASHING.

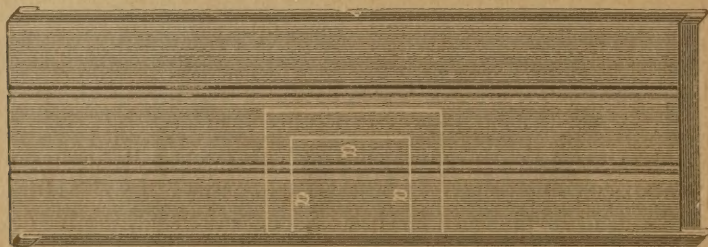
FOR CROWL'S PATENT PLAIN ROLLED, ROLLED CAPPED "EUREKA" AND CRIMPED EDGE ROOFING.

When laying around chimneys get the distance from chimney to each course, and then mark out the sheet far enough so as to have a four-inch flange to flash up against chimney. Cut the inside lines A, A, A, on cut No. 7, and turn at outside, to form lines of flange to fit up against chimney, as shown



No. 6.

by cut No. 6. The seam on upper side of chimney, next to the ridge, is cut 8 inches from the chimney and flattened out so as to allow the water to pass around. Put some cement (made of dry ore paint and linseed oil,) in the seams flattened out and nail them down. Fit corners of chimney with corner



No. 7.

pieces, using plenty of cement, and then counter-flash the chimney as shown by cut. It is well to turn the upper edge of the counter-flashing and sink it into the chimney so as to turn all water. Use plenty of cement.

FELT UNDER ROOFING.

We recommend the using of felt under the roofing and are selling a good deal of it now for this purpose. It protects the roofing from all gases and acids, moisture, hot air and steam. Also during frosty weather it prevents dripping when the frost is melting. It is inexpensive, the best costing only from 25 cents to 33 cents per square. We keep it in stock.

ADVANTAGES OF STEEL OR IRON ROOFING.

Over Shingles—Shingles are not what they used to be when they were made of the clear hearts of timber, when it was plenty and cheap; but now timber is scarce and more valuable, and shingles are made of sapling limbs or anything that can not be used for anything else, and the consequence is they only last a few years. And a wooden roof is simply a fire tinder, ready to catch fire by the first spark, and the great majority of houses are destroyed from fire catching on the roof. Insurance companies will insure buildings much cheaper having **steel or iron** on them.

Safety from Lightning—Read what scientists say regarding this established fact:

Prof. Mitchell says: "It is impossible that a building covered with iron should be injured by lightning; the large surface of the metal scatters the electricity and renders it harmless."

Mr. Merriman says: "Few persons realize the protection afforded during violent thunder-storms by shelter in a building covered with iron."

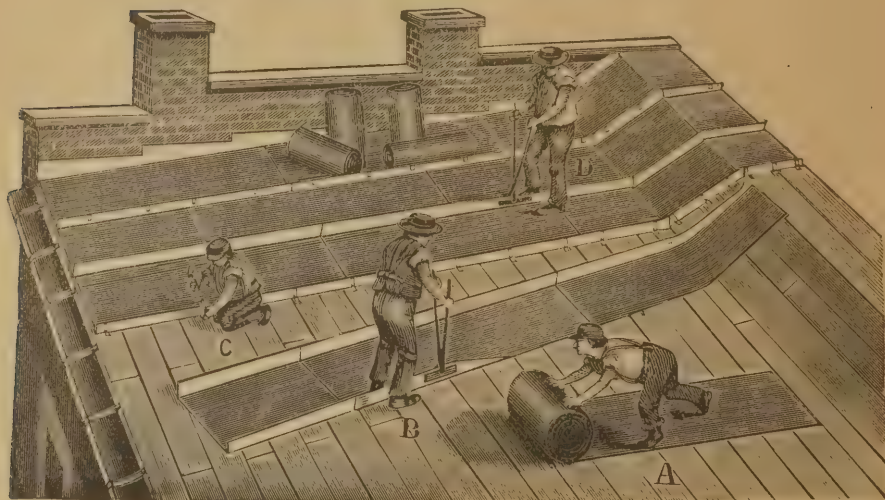
The large surface of metal scatters the force of the bolt, and in our experience we have never known a building to be destroyed by lightning having on one of our roofs.

Over Slate—Good slate is very costly, and is so heavy, (weighing 600 pounds to the square,) that it requires an expensive structure to bear it up. Slate will also crack by freezing and from the heat of burning buildings near it, and it is very hard to mend. It often causes a building to spread or settle out of shape by its weight.

Over Tin—The weakest parts of any roofing are its joints, and the more joints the weaker the roof. Tin coming in small plates it has about eight times as many joints as steel. In order to compete in price with steel or iron a very **poor quality** of tin is now used, with a very thin coat of tin or lead on it. It does not hold paint as well as steel, and therefore they get **out of repair so often** that there are many more **leaky tin roofs** than steel or iron. Tin has to be laid on tight sheathing, which adds about \$1.00 per square to the cost, as steel can be laid on laths.

Plain Rolled Roofing,

MADE OF PURE STEEL.



No. 8.

Cut Showing Our PLAIN ROOFING and Mode of Applying the Same. Especially Adapted to Flat Roofs.

PAINTED BOTH SIDES.

Put up in rolls of one square and wrapped with paper for shipping. Caps turned on sheet as shown by above cut. Designed for flat or pitched roofs.

No Punching or Riveting of Seams.

SAMPLES SENT ON APPLICATION.

Same quality and weight of steel as used for Crowl's Patent. Used more on flat roofs, as edges are easier turned on them, while Crowl's Patent is easier to lay on steep roofs.

DIRECTIONS FOR LAYING PLAIN ROOFING.

WHERE CAPS ARE TURNED ON SHEETS.

Unroll and cut off Roofing length of roof, allow an inch of comb on one side and two inches on opposite side, as shown by cut No. 3, page 7, and an inch or more for turning down at eaves. Commence at end of roof and turn down edge of Roofing, and nail it to face or weather board so as to keep wind from getting under, then turn up the other edge one inch with tongs, as shown by man **B** in cut No. 8; then anchor it by nailing cleats about eighteen inches apart. Drive nail close to edge of Roofing, as it holds much firmer than if driven an inch or more from edge. Turn up edge on next course two inches and bring it up close to the one inch edge, and turn it down over it to form cap with foot seamers, as shown by man **D** in cut No. 8; then turn the end of the cleat over all and close up all tight with tongs, as shown by sample.

Comb, Hip and Valley made same as on Crowl's Patent. (See pages 6, 7).

For directions for laying when Separate Caps are used see page 12.

FOUNDATION AND PITCH.

This style should be laid on sheathing. If laid on lath they should not be put over six inches apart. Can be laid on roof having a flat pitch, as one-half inch to the foot. It is used generally on flat roofs, as our Crowl's Patent is much easier laid on steep ones.

TOOLS.

To lay Plain Roofing it requires a pair of Tongs, a pair of Snips and Foot Seamers. This we loan to put on first order with. If party decides to act as agent we will send the tools at actual cost, viz.: Tongs, \$2.00; Snips, \$1.75; Foot Seamers, \$4.00. If Separate Cap is used only Tongs and Snips are needed. When returned all express charges must be prepaid and sender's name on card, so we may know who to credit when they come into our office.

TRIMMING SENT WITH STANDING SEAM ROOFING.

We always send cleats free of charge. With separate cap roofing we always send cleats and caps free of charge.

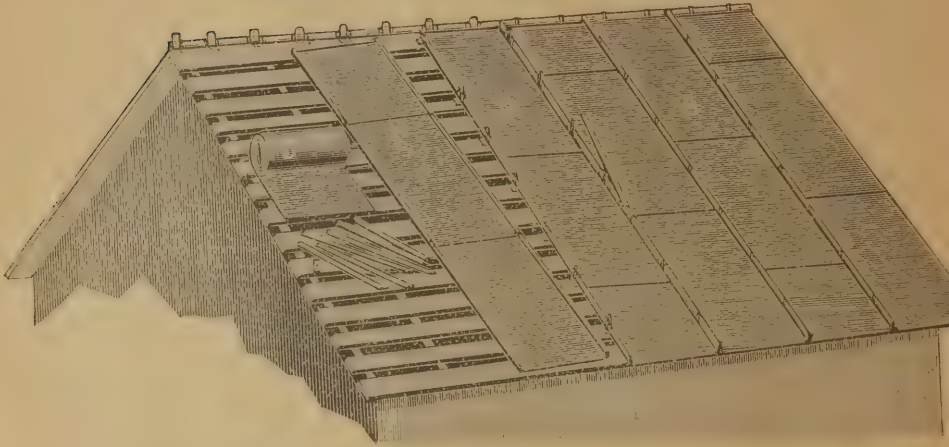
NAILS AND PAINT.

The old custom of putting in nails and paint free of charge is done away with by all the best companies. It is no advantage to the buyer for the seller to try to make it appear he is making a present of nails and paint, for no one can give something for nothing, and the cost of these are either added to the price of roofing or the quality of the material is reduced this much. We charge for nails and paint as per price list. It is much better for customers to order mixed paint. Dry paint is of very little value of itself. The trouble and cost of hunting up proper oil and dryers to mix it with is more than the mixed paint costs. Besides, very few know how to mix it properly. We mix ours by machinery and get the very best possible mixture. We recommend all our customers to order mixed paint with roofing.

PART SECOND.

Iron Department.

ROLLED CAPPED IRON ROOFING.

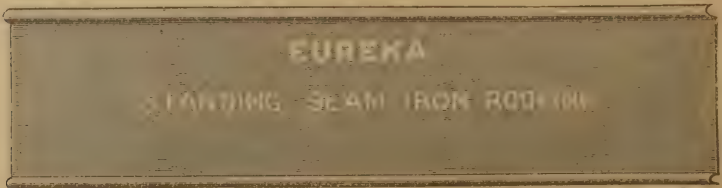


No. 9.

This cut shows our Rolled Capped Iron Roofing. The cleats both fasten the Roofing and hold the cap securely in place, thus doing away with all punching and riveting. This roofing is made of iron, not steel, and is to meet a demand for a cheaper standing seam roofing, and can be used on flat roofs having a pitch of one-half inch or more to the foot. In every case, where a first-class job is wanted, we recommend our Steel Roofing, and the difference in cost is very little. Can furnish this same style made of steel if desired.

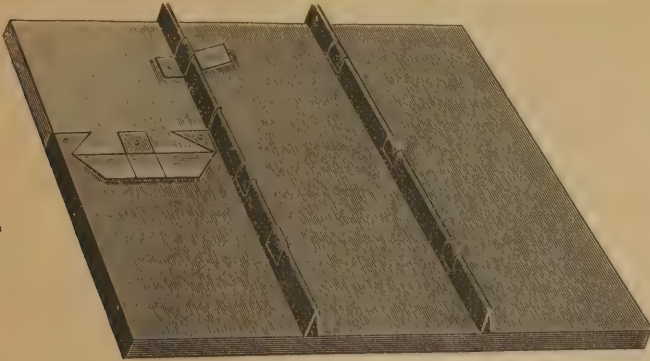
EUREKA STANDING SEAM IRON ROOFING.

For Roofs having a pitch of two inches or more to the foot. The edges on this Roofing are formed same shape as Crowl's Patent.



No. 10.

We frequently have calls for a cheaper Standing Seam Roofing than our Crowl's Patent Steel for temporary and other class of buildings not requiring the best, and, in order to meet the demand, we now offer our Eureka Brand for roofs having pitch of two inches per foot or more, and our Plain Rolled Capped for flatter roofs. (See above). They are made out of box annealed iron, well painted. It is Standard or our No. 26 gauge, and will weigh from 75 to 80 pounds per square when laid. Eureka Roofing will have the edges turned and caps formed on the sheets and fastened with cleats same as Crowl's Patent Steel. No punching or riveting of seams or caps.



No. 11.

This cut shows method of application and fastening of Eureka Standing Seam Iron Roofing, which is precisely the same method as our Crowl's Patent Steel, and requires same tools. See directions page 5. Covering width, 24 inches; regular length, 8 feet; special lengths, 7, 9 and 10 feet. We allow for seams, and give $6\frac{1}{2}$ sheets, 8 feet, or one square. Remember, we do not recommend this or any brand of iron roofing for first-class jobs. Always use Crowl's Patent Steel when a first-class article is wanted. The price is very little more, and will be the cheapest in the long run.

BEADED IRON, CEILING AND SIDING.

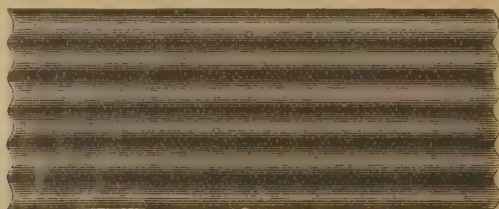


No. 12.

This cut shows a sheet of our Beaded Iron, used extensively for Ceiling and Siding. The sheets lay two feet wide and usual length, 8 feet. The beads are 3 inches apart and $\frac{1}{4}$ inch deep. We paint it three colors, viz.: Red both sides, red one side and slate color one side, and red one side and pea green one side; the slate and pea green colors for the outside. It makes a very handsome ceiling, especially for offices and store-rooms. After it is laid it can be painted any color desired, and a coat of varnish adds to its appearance. One edge is perfectly trimmed and squared, and this edge should always be used on the outside lapping, over and covering up the long edge. We keep in stock 6, 7, 8, 9 and 10 feet sheets. It weighs 75 pounds per square. We allow for the side lap. When ordering give sizes to be covered. For Siding it can be put on beads running up and down or horizontally.

PRESSED Corrugated Iron.

We make all our Corrugated Iron on the latest improved press machine. This method insures uniform corrugations and perfect edges and joints, which can not be accomplished by passing sheets through rolls. We have used rolls and know whereof we speak. If you want perfect edges and joints use Pressed Corrugated Iron. We paint it on both sides with best oxide iron paint. We use from No. 20 to No. 27 gauge and keep a large stock of the standard gauge on hand all the time.



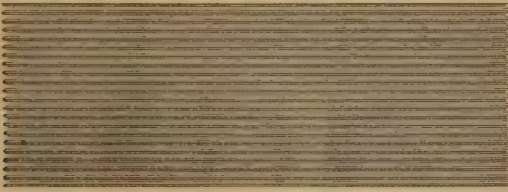
No. 13.

This cut shows our $3 \times \frac{5}{8}$ inch Pressed Corrugated Iron, painted both sides, nine full corrugations. Full width, 26 inches; covering width, 24 inches lapping one corrugation, or 21 inches lapping two corrugations. Desirable size for roofing. We always ship this size for roofing if no sizes of corrugations are specified.



No. 14.

This cut shows our $2 \times \frac{1}{2}$ inch Pressed Corrugated Iron, painted both sides, thirteen corrugations in each sheet. Full width, 26 inches; covering width, 24 inches lapping one corrugation, or 22 inches lapping two corrugations. This is a very desirable size for Siding.



No. 15.

This cut shows our $1\frac{1}{4} \times \frac{3}{8}$ inch Pressed Corrugated Iron, painted both sides. Full width, 25 inches; covering width 24 inches lapping one corrugation, or $22\frac{1}{4}$ inches lapping two corrugations. This is used mostly for Siding and Ceiling.

We paint this three colors, viz: Red both sides, red one side and drab one side, and red one side and pea green one side. The drab makes a handsome Siding, and the pea green a nice color for Ceiling. We charge twenty cents per square extra painted drab one side, and thirty-five cents per square extra painted pea green one side.

Regular lengths of all our Corrugated Iron 6, 7, 8, 9 and 10 feet. We can cut these and give half lengths of any of these sizes. Where odd sizes are wanted, such as say 8 feet 5 inches or 8 inches, we will charge for 9 feet sheets, unless it is for a good-sized order and parties can wait for two to three weeks, so that we can have it rolled to sizes wanted. We have no sheets longer than 10 feet. When ordering Corrugated Iron give sizes of surface to be covered, so that we can send the best lengths.

How to Estimate Amount and Cost of Corrugated Iron.

First select the best lengths of sheets to fit the space, bearing in mind the end laps. On Siding one inch end lap will do, while for roofing nothing less than three inches, and if a slight pitch, six inches, for end lap. As each sheet lays just two feet wide, it is a simple matter to ascertain the number of sheets necessary to cover the space. Then estimate the number of feet in each sheet as follows:

- 6 feet long, 13 sq. feet, lay 2 ft. wide, selling measure 26 in. wide.
- 7 feet long, $15\frac{1}{2}$ sq. feet, lay 2 ft. wide, selling measure 26 in. wide.
- 8 feet long, $17\frac{1}{2}$ sq. feet, lay 2 ft. wide, selling measure 26 in. wide.
- 9 feet long, $19\frac{1}{2}$ sq. feet, lay 2 ft. wide, selling measure 26 in. wide.
- 10 feet long, $21\frac{1}{2}$ sq. feet, lay 2 ft. wide, selling measure 26 in. wide.

When necessary we can cut sheets in the middle and give half sheets of any of the above lengths. When we cut to odd inches, say 7 feet 9 inches, we charge for an 8 foot sheet, unless we have two or three weeks in which to fill order, so as to have the sheets made odd sizes. While the sheets only lay 2 feet wide we measure them 26 inches wide, as we allow nothing for laps. This rule only holds good for Corrugated Iron, as we allow for side laps and seams for all Standing Seam and Crimped Edge, and Beaded Roofing, Siding and Ceiling.

Weights of Roofing, Siding and Ceiling.

Standard or our No. 26 Steel and Iron, Crowl's Patent, when laid, about	80 lbs. per Square.
Standard or our No. 26 Steel and Iron, Plain Rolled... when laid, about	80 lbs. per Square.
Standard or our No. 26 Iron Eureka	when laid, about 75 lbs. per Square.
Standard or our No. 26 Iron Patent Crimped Edge	when laid, about 80 lbs. per Square.
Standard or our No. 26 Iron Beaded.....	when laid, about 75 lbs. per Square.
Standard or our No. 26 Iron Corrugated.....	when laid, about 85 lbs. per Square.
Our No. 24 Iron Corrugated.....	when laid, about 110 lbs. per Square.
Our No. 22 Iron Corrugated.....	when laid, about 130 lbs. per Square. ¹⁵⁰
Our No. 20 Iron Corrugated.....	when laid, about 150 lbs. per Square. ¹⁷⁵

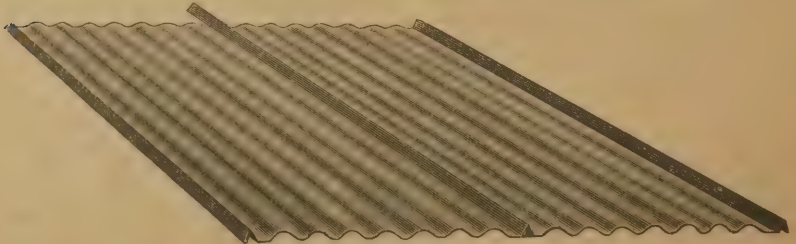
CORRUGATED CRIMPED EDGE IRON ROOFING.

SOMETHING NEW.



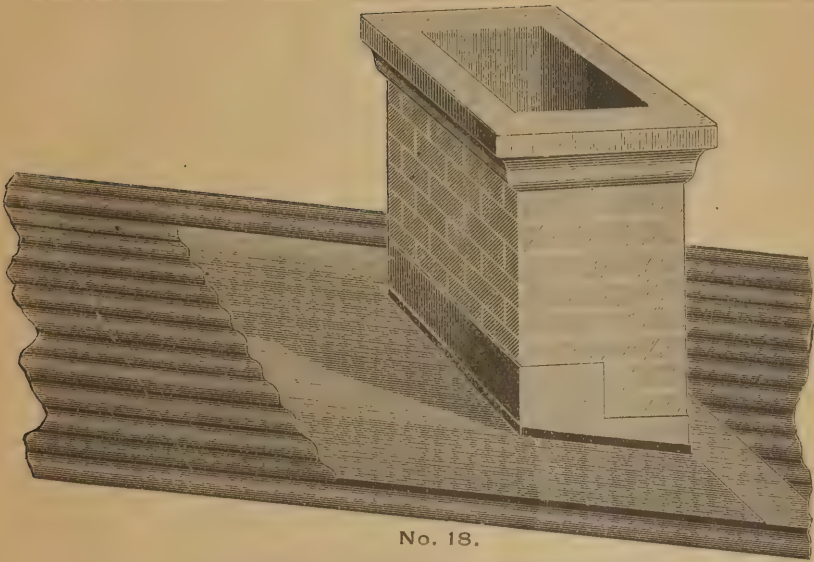
No. 16.

This cut shows a sheet of our Corrugated Crimped Edge Roofing. The edges are higher than the middle corrugations. It is put on with wood strips in the edges. When Corrugated Iron is wanted for roofing we recommend this, as the edges are deeper and better than on the common style.



No. 17.

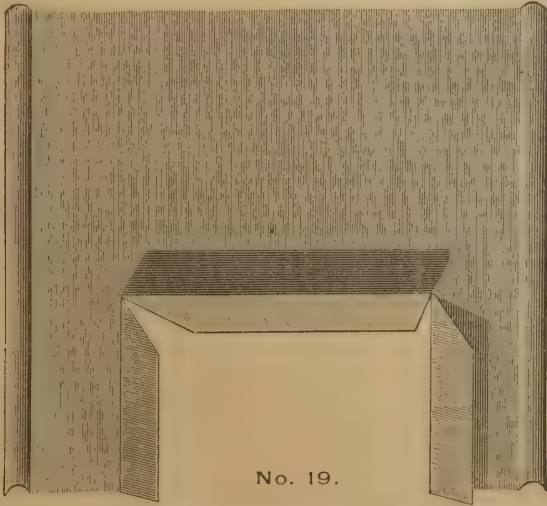
This cut shows how it is laid with wood strips in edges. It can be laid without wood strips. Ends should lap from 3 to 6 inches, according to pitch of roof. It lays, net, 25½ inches wide. Length, 6, 7, 8, 9 and 10 feet. Measured same as Corrugated Iron.



No. 18.

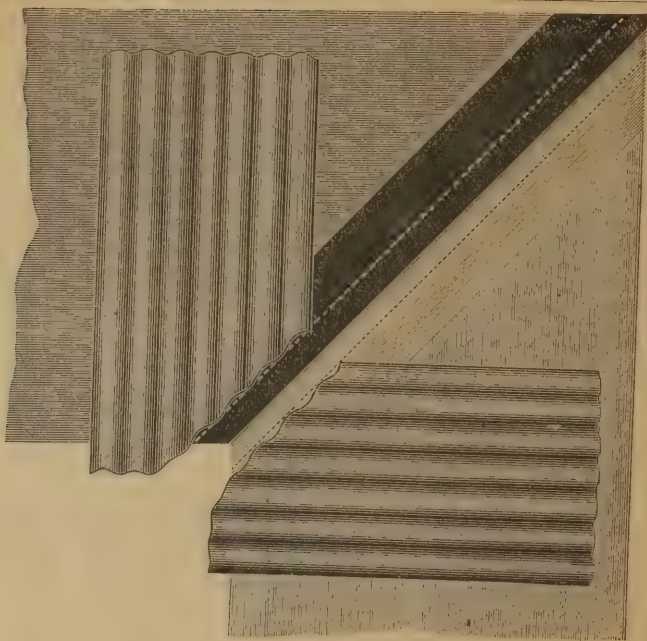
FITTING AROUND CHIMNEYS.

To fit around chimney take a piece of Plain Iron large enough to leave a flange of 6 inches when cut, (see cut No. 19,) and space on side of chimney for water to pass down. Form the edges so as to fit in corrugations of the Roofing. See cut 19. Fit the piece behind the chimney and run it up under the Corrugated Iron at least 12 inches, (see dotted lines) and let the lower end of flat piece lap down over the Corrugated Iron. Fit the flanges tight against chimney, using plenty of paste, and then counter-flash. Make



No. 19.

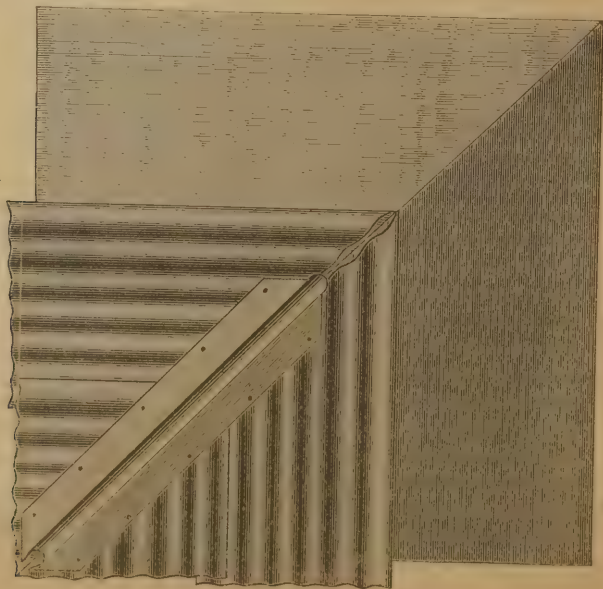
corner pieces to finish the corners of chimney with. If chimney is large it may be necessary to lock two Plain sheets together, in order to have enough to go round the chimney. The lower side of chimney is finished in the same manner by flashing a piece up against it and down over the Corrugated Iron. Use plenty of paste.



No. 20.

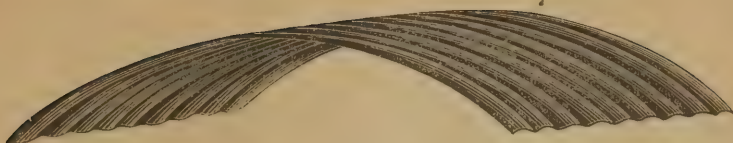
HOW TO MAKE VALLEY WITH CORRUGATED IRON.

If there are valleys in roof to be covered with Corrugated Iron, take a piece of Plain Steel 27 inches wide and fit it into valley and nail edges. Cut the ends of the Corrugated Iron to same angles as valley, and lap it over the valley piece 6 inches. See cut 20.

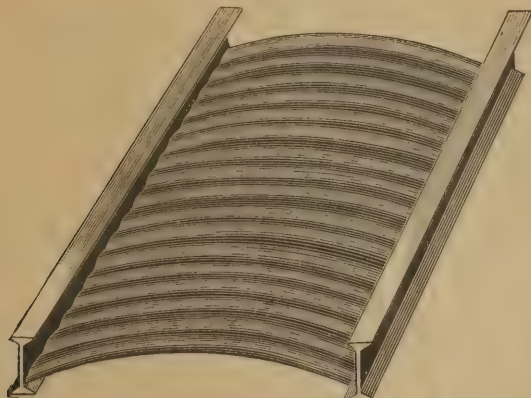


No. 21.

This cut shows how to Finish Hips with Corrugated Iron and Ridge Capping.



No. 22.

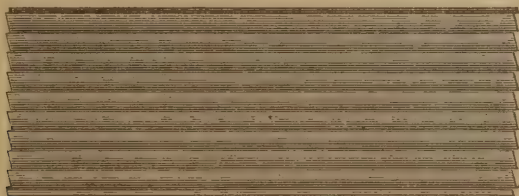


No. 23.

The above cuts show Curved Corrugated Iron. We make special prices on this based on specifications of kind and curve wanted.

HOW TO LAY CORRUGATED IRON.

Commence at eave if for roofing and lap the ends from 3 to 6 inches. Sides are usually lapped one corrugation, although some lap two corrugations, which, of course, is better, but more expensive. Be sure and lay each sheet straight in line with each other. Comb is finished, as shown in cut No. 35, page 25. If there are hips and valleys, finish them as shown in cuts Nos. 20 and 21, page 18. Nail Corrugated Iron, every other corrugation on ends and every 8 to 12 inches on sides. Drive nails in top of corrugations on roofing. Siding laid same, only ends may not lap over one inch, and drive nails between the corrugations instead of on top.



No. 24.

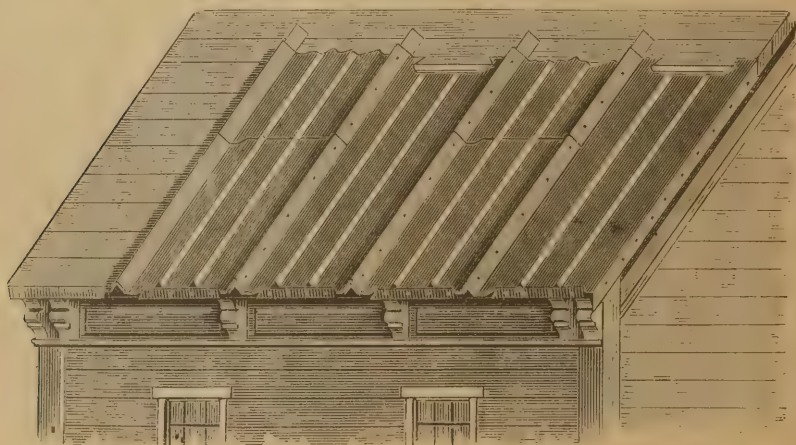
This cut shows our Metal Clapboards as shipped. Painted on both sides. Usual length eight feet, and covers two feet wide. It resembles wooden clapboards, and can be painted any color after it is laid. If it is preferred to have it unpainted when it is shipped, state this in order. Price will be 25 cents per square less not painted.

OUR PATENT CRIMPED EDGE ROOFING.



No. 25.

This cut shows a sheet of our Patent Crimped Edge Roofing. Unlike all other makes of Crimped Edge Iron, ours has two small crimps in center of sheet, dividing the sheet into three sections of 8 inches each. These crimps are same as in Crowl's Patent Steel, and for the same purpose—to take the buckle out of the sheet and to add strength and beauty. These center crimps are not as deep as the edges. The end locks can be turned. Triangular wood strips are used in edges, and ends can be lapped or locked. The best way is to lock ends. We furnish a little tool for 50 cents with which to turn ends. Made of standard boxed annealed iron, weighing 75 to 80 pounds per square.

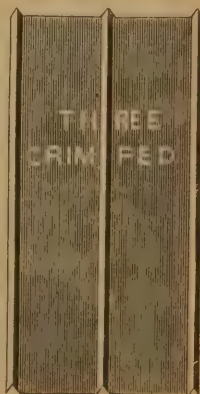


No. 26.

The above cut shows our Patent Crimped Edge applied to roof, showing the wood strips, how used, &c. Used quite extensively on large sheds and mills.

THREE-CRIMPED ROOFING.

The annexed cut, (No. 27), shows our Three-Crimped Iron. The middle crimp, same size as edges, and a wood strip goes in it. This is a good style to use in a very windy place, or where the building is exposed to a good deal of wind.



No. 27.

Rules of Measurement

ADOPTED BY THE NATIONAL IRON ROOFING ASSOCIATION.

We sell all our Roofing, Siding and Ceiling by the square, and not by the pound, and follow the following rules:

CROWL'S PATENT.

We allow for the seams and one inch on each sheet for end locks, and give six sheets 24x101 inches (size after made) for one square.

PLAIN ROLLED.

We allow for the seams, and give a roll 50 feet long and 27 inches wide (it lays 24 inches wide) for one square.

EUREKA.

We allow for the side seams and give six and one-fourth sheets 2x8 feet (size after made) for one square.

ROLLED CAPPED.

We allow for seams and give roll 50 feet long and 26½ inches wide (it lays 2 feet wide) for one square.

CRIMPED EDGE.

We allow for side lap and give six and one-fourth sheets 2x8 feet (size after made) for one square.

BEADED IRON.

We allow for side laps and give six and one-fourth sheets 2x8 feet (size after it is made) for one square.

CLAPBOARDS:

We allow for side laps and give six and one-fourth sheets 2x8 feet (size after it is made) for one square.

CORRUGATED IRON.

As no uniform rule can be made for lapping Corrugated Iron, as some lap sides two corrugations, and ends four to six inches, while most men lap sides one corrugation, and one inch lap on ends for siding will do, therefore, we make no allowance for laps, and measure the sheets full size after they are corrugated.

CRIMPED EDGE CORRUGATED IRON.

No allowance for laps. Same measurement as Corrugated Iron.

Our Mixed Paints.

Also Dry Iron Ore Paint and Paste Ground in Oil.

Prepared Especially for Metal and Shingle Roofs, Ceilings, Bridges, Iron Work, Brick Walls, Interiors. etc.



Unsurpassed for Durability, Economy and Beauty.

No. 28.

ROOFING RED.

The base of this paint is a metallic oxide of iron mixed with pure linseed oil and proper dryers. When applied it flows easily from the brush, leaving a glossy surface which exposure hardens, making a surface which is practically a coating of iron, possessing all of its durability, and which will not crack, chalk or scale. This paint is of special value as a coating for Metal Roofs, Iron Work, Bridges, Brick Walls, Fences, etc.

IMITATION SLATE.

This paint is manufactured from a gray mineral closely akin to powdered slate. When applied upon a shingle roof it not only gives it the appearance of a slate roof, but arrests all decay and effectually preserves the iron from the destroying action of the air and water. It is a handsome gray shade of paint, and can be used for Ceilings, Siding, etc.

PEA GREEN.

The base of this color is a combination of lead and zinc, tinted with pure colors to produce the shade. This shade is specially adapted for ceiling work. Very handsome effects may be obtained in a room by using this color on the ceiling and coloring the side walls in harmony.

IRON WORK.

Estimates given and contracts taken for furnishing and erecting Iron Frame Work and covering same with Corrugated Iron.

For furnishing and erecting Iron Bridges, Iron Turntables, Iron Roofs, Iron Girders, Iron Beams, etc.

For furnishing Iron Rods, Bolts, Lag Screws, Turnbuckles, Nuts, Washers, etc.

Also for furnishing and putting on Crowl's Patent Standing Seam Steel Roofing.

Address

HEDDEN & CAIRNS,

Civil Engineers and Iron Contractors.

35 Broadway, - NEW YORK. N. Y.

SIMS' PATENT ADJUSTABLE EAVE TROUGH.



PATD' JAN. 15TH 1890

No. 29.

This cut shows Sims' Patent Adjustable Eave Trough. Made in sections of 8 feet, with improved slip joint, doing away with all soldering or riveting. Both edges being the same shape it can be used with either side next to the building and water will always run away from slips thus preventing any rusting or leaking at this point, the only style that can be made this way.

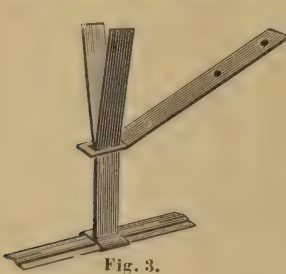


Fig. 1.

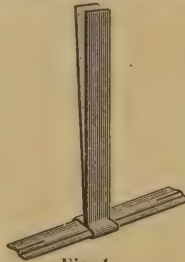


Fig. 2.

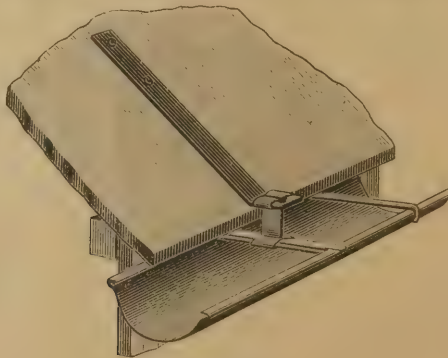


Fig. 3.



No. 30.

The above cut shows VanTassel's Adjustable Eave Trough Hanger. Fig. 1 shows bar with split ends ready to fold into edges of spouting, and the upright ready to receive Fig. 2, which fastens to the building. Fig. 3 shows how the trough can be raised or lowered to proper position. When in proper position the ends of upright are bent down under the end of Fig. 2 to hold it



No. 31.

fast, as shown by cut No. 31. Fig. 4 shows a little spike to hook over outside edge and drive into cornice board or ends of rafters to hold spouting firm or prevent it from moving in case of heavy winds. When used put them 8 feet apart. Put hangers 4 feet apart. Our patent Eave Trough can be hung by any other style of hanger, if desired.

Cut No. 32 shows our Corrugated Expanding Conductor. We also make the common plain style. Send for prices on different material.

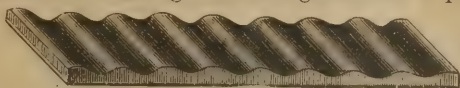


No. 32.



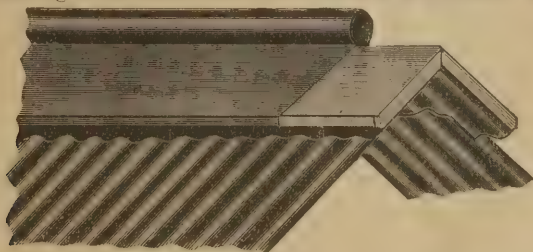
No. 33.

This cut shows our Ridge Roll Capping, which should always be used to finish comb or hips of roof covered with corrugated iron. We also make the X ridge capping and corner finishing. Made of galvanized or painted iron.



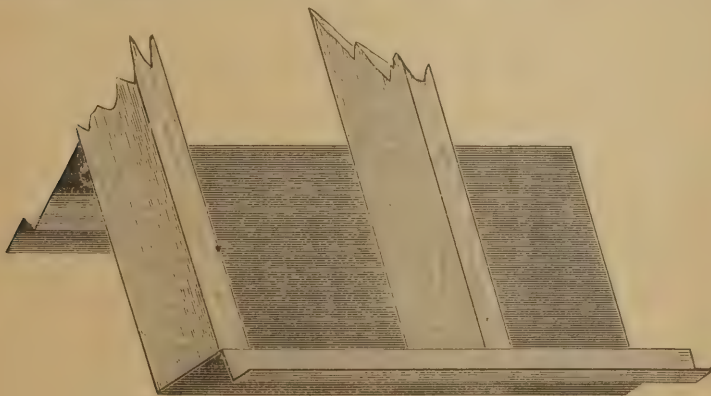
No. 34.

This cut shows our Joint of Corrugated Wood for going between Ridge Capping and Corrugated Roofing, on each side of ridge of the roof. This Joint is flat on one side, going next to the Capping, and corrugated on the other side to fit the corrugations of the Roofing. This Joint is just the thing to use where Corrugated Roofing butts against a wall where Flashing is to be used; the Flashing to be nailed over the Joint and to the wall.



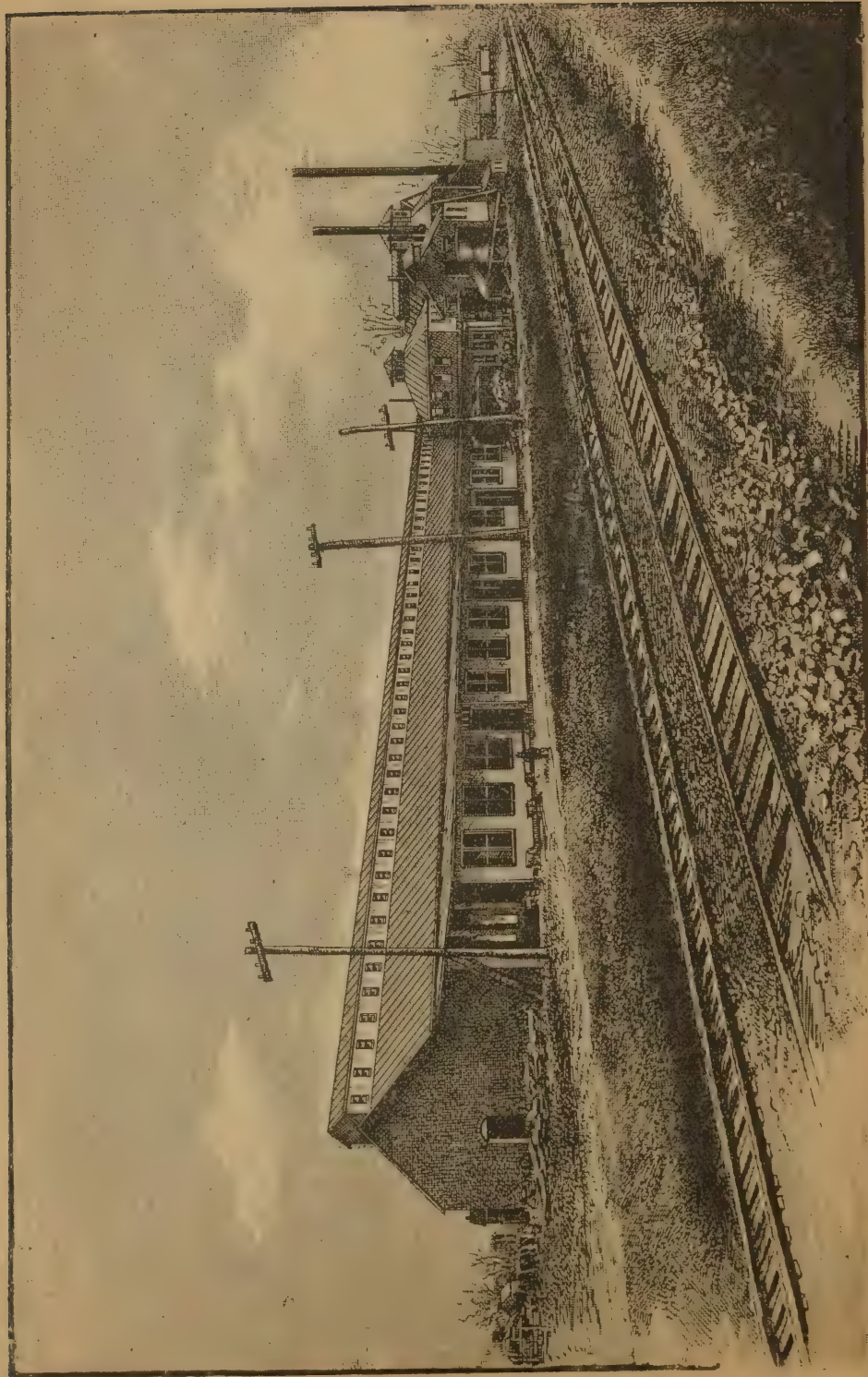
No. 35.

This cut shows clearly the practical application of Wooden Ridge Joint and Iron Ridge Cap to Corrugated Iron Roofing, demonstrating the usefulness of the combination.

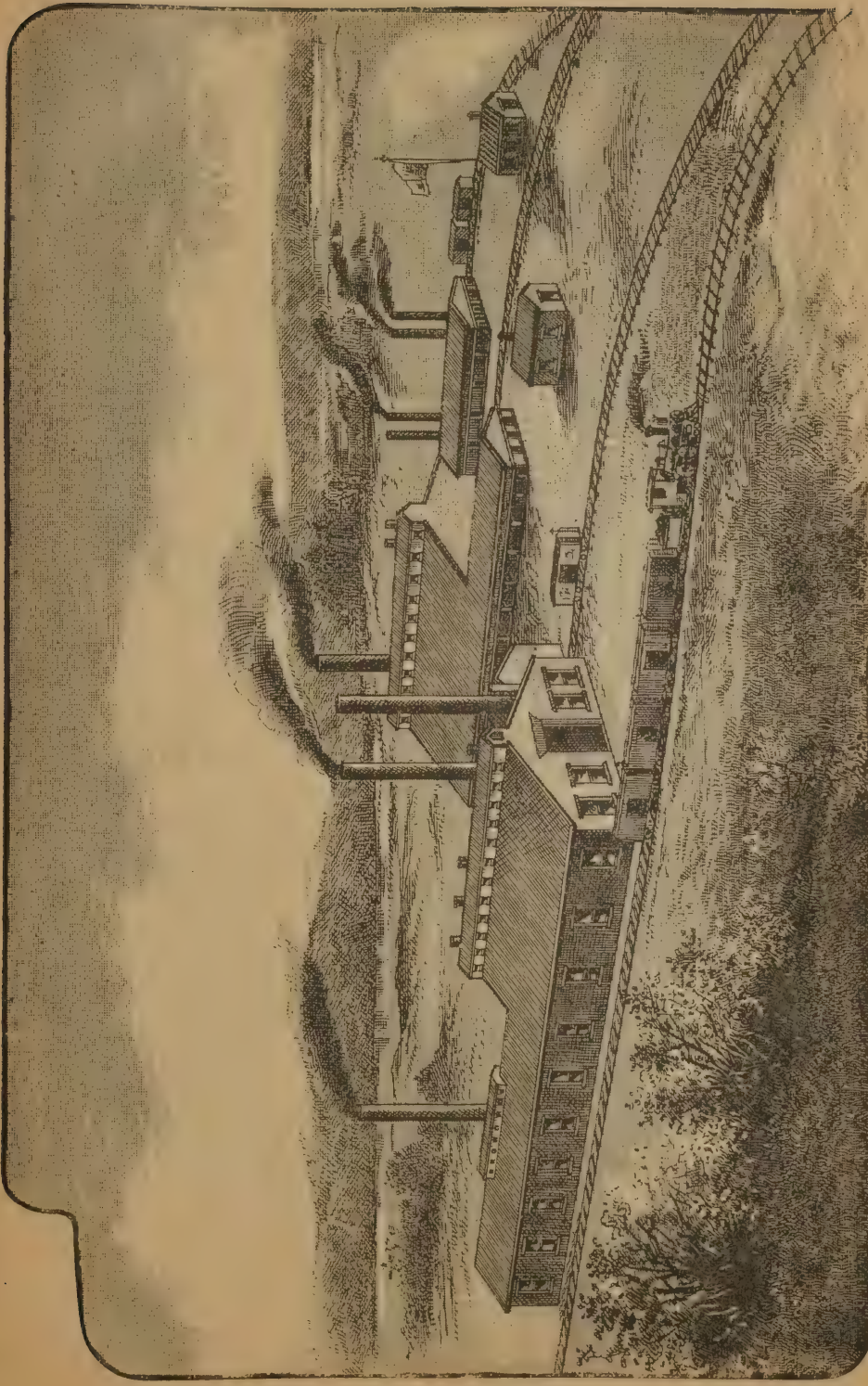


No. 36.

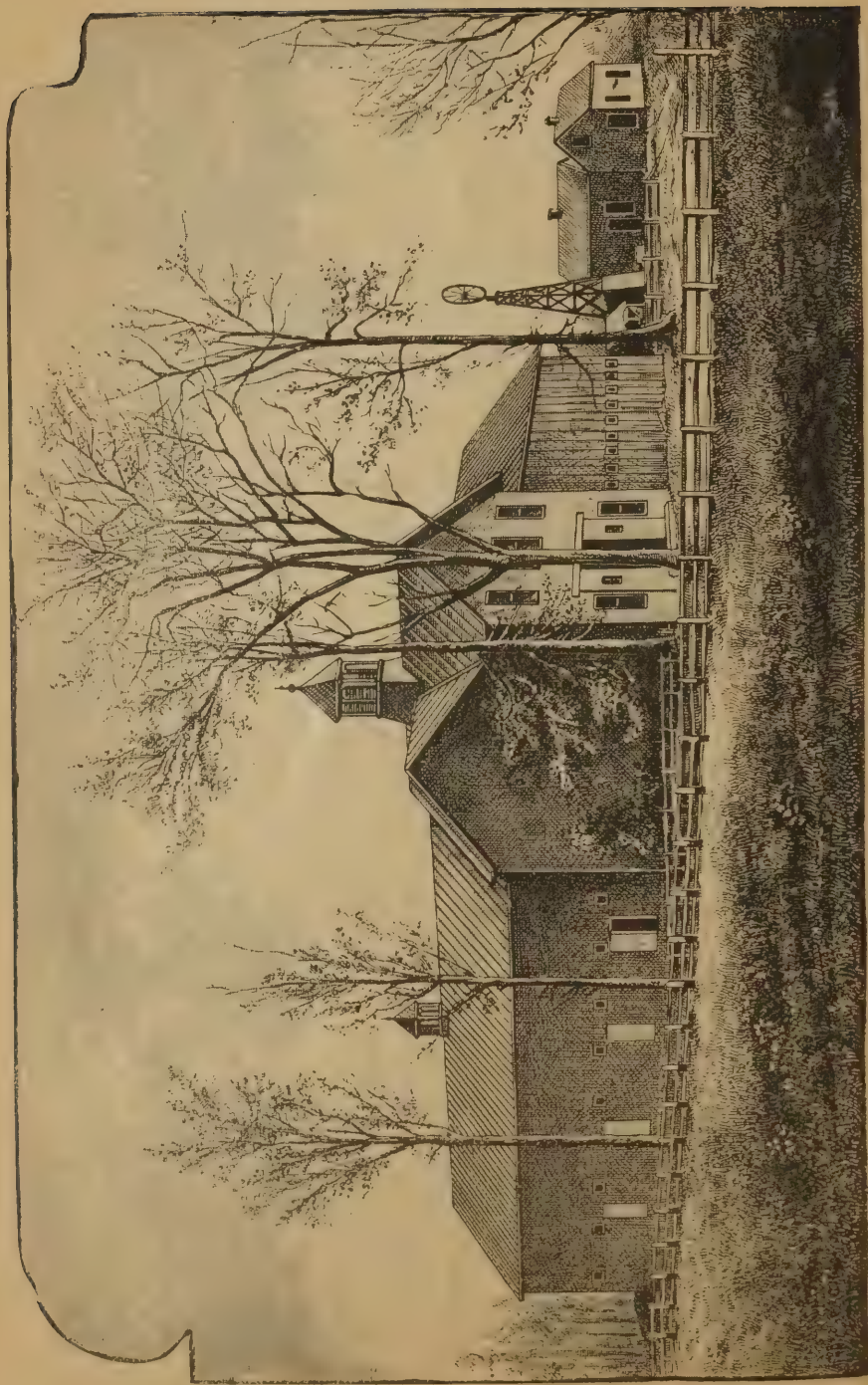
This cut shows our Plain Cornice, used on elevators, mills, factories, barns, etc., where corrugated iron, crimped iron and beaded iron roofing and siding is used, to cover the eave and gable projections, so as to make the building entirely iron clad. Made of No. 26 iron, either galvanized or painted, to fit either eave or gable projections. Plans and sizes must be furnished, and it is then formed to fit the same. Shipped in 8 feet lengths.



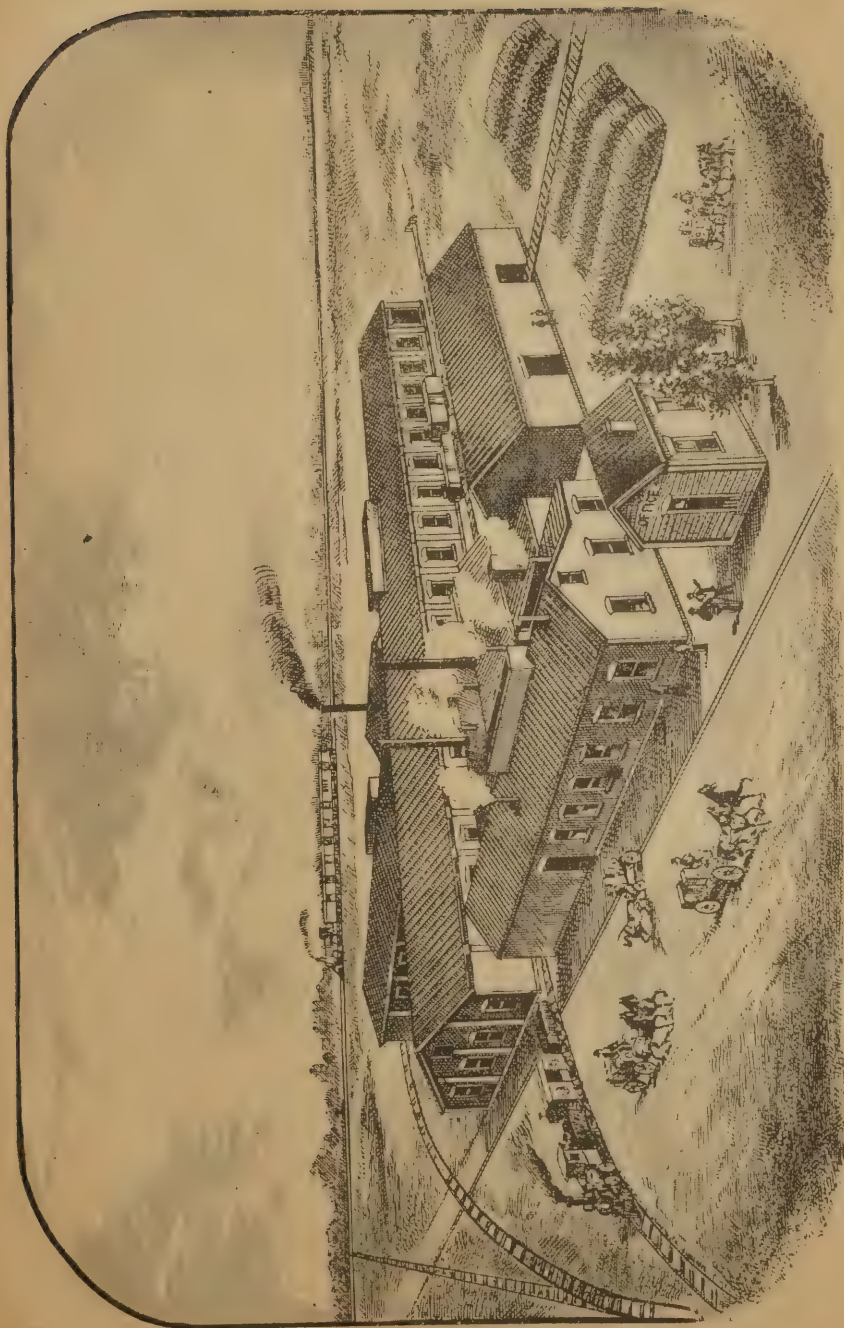
This is a cut of a factory covered with 270 squares of Crowl's Patent Steel Roofing. It is located in East Orange, N. J., and owned by The Spiral Weld Tube Co., of New York. Work done by Hedden & Cairns, of New York. See letter on page 30.



This is a cut of a rolling mill covered with 333 squares of our No. 22 Pressed Corrugated Iron. It is located in our own town, and owned by the Cambridge Iron & Steel Co. See their letter on page 30.



This is a cut of a barn covered with 127 squares of Crowl's Patent Steel Roofing and 144 squares of Corrugated Iron Siding. It is located at Ellison, Ind., and owned by T. E. Ellison, of Ft. Wayne. See his letter, page 31. Goods sold through our agents, Pfeiffer & Schlatter, and work done by J. C. F. Sprankle, of Ft. Wayne. See their letters, pages 31 and 34.



This is a cut of a factory covered with 164 squares of Crowl's Patent Steel Roofing. It is located at Hartford City, Ind., and owned by The Crescent Paper Co. Sold through our agents, Geo. Gable & Son. See Letter, page 33.

Testimonials.

BEST JOB OF ITS KIND THEY EVER SAW.

Cambridge, Ohio, January 24, 1890.

Cambridge Roofing Co., Cambridge, Ohio:

Dear Sirs—It is with much pleasure and satisfaction that we enclose herewith draft for \$2,343.46 in settlement for roofing placed on our building. The work has been done in a first-class manner, and being judges of such matters we do not hesitate to say that it is the best job of its kind we have ever seen.

Yours very truly,

THE CAMBRIDGE IRON & STEEL CO.,

Per A. Beard, Gen'l Manager.

DECIDED IT WAS THE KIND THEY WANTED.

New York, N. Y., January 30, 1890.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—Ship us at once 120 squares Crowl's Patent Steel Roofing, to Orange, New Jersey, same as the last 350 squares. We are very well pleased with the roof. It looks fine since we have finished and painted it. While we were putting it on four different parties visited the building for the purpose of seeing the roofing, and they decided then and there that it was the kind of roofing they wanted. The above order is the result of one party's decision and we expect to hear from at least two of the other parties. We do not understand how anyone, having once seen your roofing, can help using it if it is their desire to get something better than tin at a less cost.

Yours truly,

HEDDEN & CAIRNS.

JOIN IN PRAISING IT.

Drexel Building, Room 330, Philadelphia, October 31, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Dear Sirs - Replying to your letter of October 9th would say I am very much pleased with your Crowl's Patent Steel Roofing material, having put a roof on in which I am interested, and believe I have put the best roof on in the market. I have had an experience of roofing more than one hundred buildings, and carefully looked into all the roofs now on the market before I concluded to use and adopt yours. I can cheerfully recommend it to anyone needing a good roof. I have also the assurance of other practical builders and architects to whom I have recommended it, and who, after using it, join in praising it.

Very truly yours,

D. H. KENT.

SIMPLICITY OF CONSTRUCTION.

Philadelphia. November 2, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Respected Friends—After a careful examination of the various kinds of steel and iron roofing on the market, we have selected your Crowl's Patent Steel Roofing for covering our branch factory at Anderson, Ind., which requires about two hundred squares. The quality of material, the simplicity of construction, &c., we believe more nearly fill the several requisites for a metal roof than any we have examined. Hoping our order will arrive in good time, we are,

Very truly,

PHILADELPHIA QUARTZ CO.

WILL ALWAYS USE YOUR GOODS.

Fort Wayne, Ind., December 17, 1889.

Messrs. Pfeiffer & Schlatter, Fort Wayne, Ind.:

Gentlemen—After giving the question how to roof some barns and houses that I proposed building this summer, I gave you an order for one hundred and twenty-seven squares of Crowl's Steel Roofing, and for one hundred and forty-four squares of Corrugated Iron to cover the sides of the building. My buildings have just been finished, and I send you herewith the photograph of one of the barns that I built, which equals a rectangular building 206x38 feet with 24 foot posts. I intend next year or the following one, to build another wing to it, when it will be in the shape of a T, covering a space equal to 272 feet by 36. While, of course, I do not know how long it is going to last, I believe, at the present time, that I could not get so good a roof for the same amount of money of any other material. The men who put it on the building say that the steel and iron were both of a very fine quality, and any person who has seen any of the buildings that I have built say that they present a very handsome appearance. If I had more buildings to build I would use Crowl's Steel for roofing and Iron for the sides.

Yours respectfully,

T. E. ELLISON.

NO INSURANCE.

Fostoria, Ohio, December 16, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—The inclosed photo shows our storage house, which is covered with your Roofing. The B. & O. elevator burned within fifteen feet of our building, at which time we had over \$20,000 worth of agricultural implements, carriages, etc., on hand, without one dollar's worth of insurance. Hence we have reason to recommend your Iron and Steel Roofing.

Yours respectfully,

SELBY & MOMPER.

WIND AND RAIN HAVE NO EFFECT.

Auburn, Ky., December 3, 1889.

Cambridge Roofing Co.:

Dear Sirs—Your Roofing came as ordered. Was put on more easily than any the workmen had used. It has stood as hard rains and penetrative winds as we have in this climate, and remains, perfectly secure, so far as I have been able to ascertain. We regard it the best roof we have had.

Yours respectfully,

A. McCARLEY.

SOLD OVER 4,000 SQUARES.

San Antonio, Texas, January 18, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—Since the commencement of 1885 we have handled iron roofing and siding. Formerly only sold Corrugated and Crimped Edge. Finding our trade in this line improving daily we were also induced to try Crowl's Patent Roofing, and we must say that wherever we have sold Crowl's Patent it has given universal satisfaction, and has continued to make us new friends and customers, and in consequence we have more than trebled our sales. We have sold over 4,000 squares, especially due to the improved quality of the Crowl's Patent Roofing, and would recommend the use of it when a first-class roof is wanted. Will need another car soon, as the one lately received is about sold.

Yours truly, PIPER & SCHULTHESS.

CROWL'S PATENT THE BEST.

Arkansas City, Kas., December 18, 1888.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—The Crowl's Patent Roofing we bought of you for our new factory, 40x100 feet, is O. K. We got samples of roofing from all the leading companies in the business, and finally decided yours was the best, therefore ordered it, and it is proving entirely satisfactory.

Yours truly, F. H. PLUMMER M'FG CO.

VERY SOFT AND TOUGH.

Montpelier, Vt., January 13, 1888.

Cambridge Roofing Co.:

Gentlemen—In reply to yours of the 10th inst. I consider the quality of your Iron Roofing equal to any in the market, and very much superior to most of it. I find it very soft and tough. The sheets full size, with true, well-shaped edges. I want the sale of your roofing the coming season. I think the demand will be greater for that kind of covering than it has been the past season.

F. BLANCHARD.

WILL SUPERSEDE WOOD ROOFS.

Endfield, Mass., November 27, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Dear Sirs—In reply to your favor of the 22d would say that I wanted something better for roofing than anything I could make or buy in the line of shingles, so decided, after examining several kinds of metal roofing, to give your Crowl's Patent Steel Roofing a trial. It is now on my buildings. It has been tested by severe storms, and is not found wanting in any particular. We laid it on bay-windows, over hips and in gutters without a fracture in any case. It is very easy to apply, and will surely supersede wood roofs largely when its merits are understood. The man who puts his money into Crowl's Patent Standing Seam Roofing invests it wisely.

Yours respectfully, A. J. N. WARD.

AHEAD OF ALL OTHERS.

Janelenc, Lewis County, W. Va., November 4, 1889.

Cambridge Roofing Co.:

Gentlemen—Your Plain Rolled Pure Steel is the best Roofing that I ever handled. It has good weight and is very tough and pliable. I have used it for nearly two years, and would say it is ahead of all others that I have tried. I use no other, for yours is good enough.

Very respectfully yours, J. L. HARDMAN.

BEST WE HAVE EVER STRUCK.

Ronceverte, W. Va., October 31, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We have sold the Crowl Patent Roofing for some time, also your plain Steel Roofing. We like the latter very well, but consider the former the best patent roofing we have ever struck. We have tried the roofing made at three or four different points, and this year put the Crowl's patent on the new county buildings, in competition with them all, as the contractors had tried all the others and say this is the best they have ever tried. We are always glad to recommend any goods we find really first-class.

Yours truly, SIMMS & WORKMAN.

EVERYBODY PLEASED.

Waldron, Mich., October 31, 1889.

Cambridge Roofing Co.:

Gentlemen—I have laid a great many kinds of roofing, but I have to say I cannot find anything to suit the people of this vicinity better than your Patent Crimped-Edge Roofing and the Corrugated, which I think is a number one roofing for barns, outbuildings, etc. I have laid of your roofing, since May last, one hundred and seventy-three squares, and all gives good satisfaction. I wish to handle your roofing next year, as the people are pleased with it. I remain,

Truly yours,

JOHN L. BATES.

BEST OF SATISFACTION.

Marquette, Mich., November 1, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We have been selling your Corrugated Roofing and Siding this past season, and to the best of our knowledge it has given the best of satisfaction.

Yours truly,

A. O. JOPLING & CO.

EASY TO PUT ON.

Kokomo, Ind., December 15, 1888.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—I reply to your favor of the 13th, will say we are well pleased with your Crowl's Patent Steel Roofing. We have covered four large factories at this place, and sided several with your Corrugated Sheet Iron. Considering its durability and easiness of putting on I think it superior to any other.

Yours truly,

H. A. FEE.

YOU CAN BET THEY ARE PLEASED WITH IT.

Hartford City, Ind., November 20, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—The Crescent Paper Co., who have used one hundred and fifty squares of Crowl's Patent Steel Roofing on their new factory, are well pleased, and regard it a very perfect roof in every particular. The roof has not a leak in it, and when you get an article like that you can bet that they are pleased. Enclosed find cut of their new factory.

Your agents,

GEO. GABLE & SON.

EXCELLENT SATISFACTION.

Fort Wayne, Ind., November 6, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—Replying to your favor of the 29th ultimo, we take pleasure in informing you that the corrugated iron we purchased from you for use in covering retort house roofs has given us excellent satisfaction.

Yours truly,

KERR MURRAY M'F'G CO.

OVER 1,000 SQUARES IN SIX MONTHS.

Fort Wayne, Ind., November 1, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—The Crowl's Patent Standing Seam Steel Roofing is the best steel roofing in the market. We have sold in the last six months nearly one thousand squares; besides, it is a new thing with us, selling roofing. Every customer of ours who has used it is full of praise for it. We remain,

Yours respectfully, PFEIFFER & SCHLATTER.

CRITICS PRONOUNCE IT THE BEST.

Mexico, Ind., November 19, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We have sold about eighty squares of your Crowl's Patent Steel Roofing in the last six months, and it has given our customers the very best of satisfaction. We have covered the Orphan's Home at this place with this roofing, and it is pronounced by the best critics to be the best roofing on the market. We are now making estimates on a church to be built in the spring, and we are positive of getting the job. We are expecting a large trade in your Crowl's Patent Roofing the coming season.

Yours respectfully, **KLINE & KINNAMAN.**

ATTRACTIVE AND FIRE-PROOF.

Fort Wayne, Ind., December 30, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We had our entire mill building, 90x45 feet, and three stories high, covered with your Corrugated Iron and Steel Roofing, and it makes the building attractive and practically fire-proof. It has reduced our fire-insurance, and we cannot help but advise every manufacturer in a frame building to have the same ironclad.

Yours truly, **C. TRESSELT & SONS.**

KNOWS FROM EXPERIENCE.

Fort Wayne, Ind., December 20, 1889.

Messrs. Pfeiffer & Schlatter:

Gentlemen—I being a builder of some experience do not hesitate to recommend Crowl's Patent Roofing to all who contemplate building as being of superior quality to any I ever used, and for simplicity in being put on. I used a large quantity on buildings for Mr. T. E. Ellison this fall.

J. C. F. SPRANKLE.

CUSTOMERS SATISFIED.

Greenwich, Ohio, November 25, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We have laid quite a good many squares of Crowl's Patent Roofing during the season, and we are very well pleased with it, and our customers seem to be well satisfied with it in every particular.

Respectfully yours, **M. Z. SWITZER.**

REQUIRES NO SKILLED LABOR.

Mansfield, Ohio, November 21, 1889.

Cambridge Roofing Co.:

Dear Sirs—Having put on our entire plant something over two hundred squares of Crowl's Patent Steel Roofing, we find it to be entirely satisfactory, and believe it to be as good a roof, if not better, than any in the market. Our great advantage is the cheapness with which it can be put on, requiring no skilled labor. Yours respectfully, **THE PLATT CARRIAGE CO.**

PREDICT EXTENSIVE SALE.

Goodville, Pa., November 5, 1889.

Cambridge Roofing Co.:

Gentlemen—In reply to your favor of the 31st ult., would say, we are highly pleased with the Crowl's Patent Steel Roofing we bought of you, and predict for it an extensive sale. Yours truly, **SENSENIQ HDW. CO.**

BEST ROOFING IN TOWN.

Corning, N. Y., January 3, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We herewith enclose you check on New York Exchange for two hundred and sixty-two dollars and twenty cents [\$262.20] for Iron Roofing, in full of account. We finished putting the Iron Roofing on large building this week. We think that it is the best roofing in town, and you may hear from us again. Yours truly, CORNING BRICK WORKS.

STAND THE TEST.

Gouverneur, N. Y., November 4, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen I have given your Corrugated Iron Roofing a good test, using it on shed roofs, barns and houses, and it has stood the test to my entire satisfaction. I find it very much superior to the most that is in the market, and I cheerfully recommend it. Yours truly, O. P. FULLER.

WILL DOUBLE SEAM.

Peekskill, N. Y., November 9, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—The Steel Roofing with which we covered one of our buildings last summer is perfectly satisfactory. We double-seamed it as we would tin, and found it worked as easily. We are about covering two other buildings with Crowl's Patent Steel Roofing, and think it the best roofing in the market. Yours truly, THE PEEKSKILL STOVE WORKS.

BEST ON THE MARKET.

Lanesboro, Susquehanna Co., Pa, June 3, 1889.

Cambridge Roofing Co.:

Gents—Please ship me eight squares plain Steel Roofing, dry paint, nails and cleats for same. Ship to Lanesboro, Susquehanna county, Pa. Builders here seem to think that the Cambridge Roofing is the best goods in the market. Several companies have sent their goods here at a low price during the last year, and nearly every one expresses themselves as dissatisfied with their roofing. But the Cambridge Roofing that I handled gives the best of satisfaction. I am going to take off some Cincinnati iron and replace with this order, so please fill order as promptly as possible.

Respectfully yours, JAMES LOVELACE.

PROVE A GOOD SELLER.

New Castle, Pa., October 31, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—I have just sold your Crowl's Patent Steel Roofing to a large Asphalt block works here, and have no doubt it will prove a good seller among our iron works and blast furnaces. Yours, &c., C. J. KIRK.

BEST STEEL ROOFING IN THE MARKET.

Saltsburg, Pa., October 31, 1889.

Cambridge Roofing Co.:

Gentlemen—It gives us pleasure to recommend your Crowl's Patent Standing Seam Roofing. We have used hundreds of squares of it, and like it much better than any other we have ever used. We think it is the best steel roof in the market to-day. Respectfully, WM. MOORE, SON & CO.

—:36—

UNIVERSALLY SATISFACTORY.

Lewisburg, Pa., November 1, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Dear Sirs—We have sold your Crowl's Patent Steel Roofing for some time, as well as your Beaded Iron Ceiling, and find it universally satisfactory, with a constant increased demand for your goods. We anticipate a good sale for them in the future. Yours very respectfully, C. DREISBACH.

RUNS UNIFORM.

Allentown, Pa., November 4, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—Replying to your esteemed favor of the 29th ult., will say that we have sold considerable of your Corrugated Iron Roofing this fall to our trade, and have found in every instance that the iron has run uniform and up to gauge, and our customers have been well pleased with the same. We hope to continue selling your roofing to our trade, and that our business will show a large increase. Yours truly, WM. H. TAYLOR & CO.

LOW INSURANCE.

Wilcox, Elk County, Pa., December 17, 1888.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We now have your Steel Roofing on four buildings, and are well pleased with it in every particular. For a mill or factory it has no equal. We obtain much lower insurance on account of the steel roofs.

Yours truly, HENRY, BAYARD & CO.

NO ONE SORRY FOR USING CROWL'S PATENT.

Edenboro, Erie County, Pa., January 14, 1888.

Cambridge Roofing Co.:

Gentlemen—It gives me pleasure to recommend your Crowl's Patent Standing Seam Roofing to the public. I have used about five hundred squares of it during the last two years. I have had to compete with the cheaper styles of roofing on the market, but when the fact became known that your roofing was the only one having the buckle taken out of the sheet, and the only one having two full caps on each sheet, so that each standing seam is four thicknesses of iron, and that it makes no difference which end of the building you commence to lay it, it was preferred to the common styles of roofing, which was being offered at a less price. No one will be sorry for using your Crowl's Patent Steel Roofing. ISAAC VANTASSEL, Tinner.

DO NO BETTER THAN TO PURCHASE BEADED IRON.

Deatur, Ills., November 11, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We would state that we certainly think that for our use, or where parties desire to cover a building with some material so as to protect it from the weather as well as fire, that they could do no better than to purchase your beaded iron. We have some that has been on our elevator "B" for seven or eight years, and it is, to all appearances, as good as the day it was put on. We will want considerable more of this iron at a near date, so as to finish covering the balance of our new elevator. Wishing you success, we are, Yours truly, SHELLABARGER MILL & ELEVATOR CO.

WORKS WITH LESS TROUBLE THAN ANY OTHER.

Kittanning, Pa., October 24, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Dear Sirs—We enclose you check to close account. We will likely use your roofing in the spring, as it works with less trouble than any other we have tried. We will soon close up all our outside work. Have been trying all makes of iron roofing with a view of selecting that easiest put on.

Yours very truly, TYSON HEILMAN.

TRADE GROWING EVERY DAY.

Shenandoah, Pa., October 31, 1889.

Cambridge Roofing Co.:

Sirs—We, the undersigned, have used quite a lot of your Corrugated Ceiling and Roofing Iron, and find it cheap and durable, handy and easy to put on. Our trade in it is growing every day.

Yours, GEO. W. BEDDALL & BRO.

WILL STAND THE WIND.

Fostoria, Ohio, Jan. 11, 1888.

Cambridge Roofing Co., Cambridge, O.:

Gentlemen—In reply to your favor of the 9th, will say we are well satisfied with the (300) three hundred squares of Crowl's Patent Roofing we have put on our works the past ninety days. Our buildings are exposed and have been subject to several storms, which have not interfered with the roof in the least. We do not regret using your roofing, and when we extend our works will no doubt use more of it.

Yours respectfully, J. A. HIGBEE, Sec'y.

EX-GOVERNOR CHARLES FOSTER HIGHLY PLEASED WITH IT.

Fostoria, Ohio, Jan. 12, 1888.

J. E. Annis, Secretary, Cambridge, Ohio:

Dear Sir—The Mambourg Glass Co. and the Butler Art Glass Co., both of this place, used your Crowl's Patent Iron Roofing on their structures. We have used it but a short time, but as far as we can see, are highly pleased with it.

Yours very truly, CHAS. FOSTER.

THE BEST IS THE CHEAPEST.

Mercerville, Gallia County, Ohio, January 8, 1889.

Cambridge Roofing Co.:

Gentlemen—Since the commencement of 1888 I have been selling and putting on your Crowl's Patent Roofing, and I find that it gives universal satisfaction. Here is what some of my customers say about it:

B. H. SMITH: "I like it better than tin. I have tin and Crowl's Patent both on the same building. It is as far ahead of tin as tin is ahead of shingles."

W. D. GRAHAM: "I like it splendidly. I think it is the best metal roof out."

T. H. WAUGH, Waugh Landing, Gallia County, O.: "I have twenty-four squares on my barn. When Saunders came to me I got a sample of the metal and compared it with all other makes in the county, and could get other roofing for less money, but the quality was lacking; therefore, I took Crowl's Patent at \$5 00 instead of sheet iron at \$3.40."

As a contractor and builder I think your Roofing in the lead of all others.

Yours truly, JACOB W. SAUNDERS.

FAST TAKING PLACE OF SHINGLES.

Richmond, Va., November 6, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—We have handled a good deal of your roofing, especially the "V" Crimped, and can say that it has given universal satisfaction. In our country it is fast taking the place of shingles, and in a few years shingles will be known as a thing of the past, as the iron makes a more secure and durable roofing, and with proper care will last a number of years. Wishing you success, we are,

Respectfully, **BALDWIN & BROWN.**

DESTINED TO BECOME A FAVORITE.

Quincy, Ill., November 7, 1889.

Cambridge Roofing Co., Cambridge, Ohio;

Gentlemen—During the short time that we have handled your Iron Roofing we are satisfied with it, and our customers are well pleased with the way it puts on. Especially must we say this of the Crowl's Patent Steel Roofing, which, by the way it is put together, is destined to become a favorite. Some of our stock is getting low, and we will soon have to replenish.

Yours truly, **H. & J. H. TENK.**

VERY SATISFACTORY.

Decatur, Ill., November 7, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—Our experience with your Steel Roofing has been very satisfactory, especially with your Crowl's Patent standing seam. You are authorized to use our name under the above testimonial.

Respectfully, **DECATUR LUMBER & MFG CO.**

THE COMING ROOF.

Galesburg, Ills., December 17, 1889.

Cambridge Roofing Co., Cambridge, Ohio:

Gentlemen—Last summer we covered our new brick factory, 72x72, with your Steel Roofing, Standing Seam—the pitch to roof is about 1½ inches to the foot. Our own men put on the roof with the help of a common tinner. We used ship lap for sheeting, and laid a layer of Manahan's cheapest air tight prepared building paper under the roofing. When the roof was finished we gave it two coats of paint. We honestly believe it is the coming roof.

Respectfully, **MAY BROS.**

BEST FOUND.

Tonica, Ills., November 8, 1889.

Cambridge Roofing Co.:

Gentlemen—I consider your Crowl's Patent Steel Roofing the best steel roofing I have found.

Yours, &c., **J. K. BROKAW.**

THOROUGHLY PAINTED.

Streator, Ills., October 31, 1889.

Cambridge Roofing Co.:

Gentlemen—We have received the seventy-five squares of corrugated Roofing Iron bought of you, and find, from examination that it is good iron, well corrugated and thoroughly painted. We hope to send you further orders. We believe others of the trade will appreciate your efforts to produce good material well finished. Most respectfully, **POWERS BROS.**

NOT A SINGLE COMPLAINT.

Cuyahoga Falls, Ohio, Nov. 5, 1889.

Cambridge Roofing Co., Cambridge, Ohio :

Gentlemen—In reference to your Roofing will say that we have been handling it for about five years and we have almost invariably used Crowl's Patent, which we regard as being the best. Since you commenced sending out the Steel Roofing we have bought that in preference to all others. Your roofing has ever been satisfactory. Easy to put on. We have not had a single complaint from any party that we have sold your roofing to.

Yours truly,

L. W. LOOMIS.

JUSTLY DESERVES SUCCESS.

Findlay, Ohio, Nov. 2, 1889.

Cambridge Roofing Co., Cambridge, Ohio :

Gentlemen—We have for the past eighteen months used a large amount of your Patent Corrugated Iron Siding and Roofing in enlarging our plant, and take great pleasure in stating that it has given us the best of satisfaction in every particular. Wishing you the success which we feel you so justly deserve, we remain,

J. S. McQUIN, Sec'y.

BUCKEYE WINDOW GLASS CO.

BETTER SATISFACTION ALL ROUND.

Delfhos, Ohio, Nov. 2, 1888.

Cambridge Roofing Co., Cambridge, Ohio :

Gentlemen—I have used lots of your Crowl's Patent Steel Roof this season, and must say for it, I found it a better quality steel, easier put on, makes a nicer job and gives better satisfaction all round than any other iron or steel roofing I have ever used

Yours, very truly,

GEO. AUER.

BEST HAVE SEEN YET.

Warsaw, Ohio, November 1, 1889.

Cambridge Roofing Co., Cambridge, Ohio :

Gentlemen—I am using Crowl's Patent Steel Roofing on all my buildings since my removal to Warsaw, and have sold several other bills to my customers without solicitation, who have seen it on my buildings. I think that Crowl's Patent Steel Roofing is the best I have seen yet.

Yours very respectfully,

JOHN KUHN.

SUPERIOR TO SEPARATE CAP ROOFING.

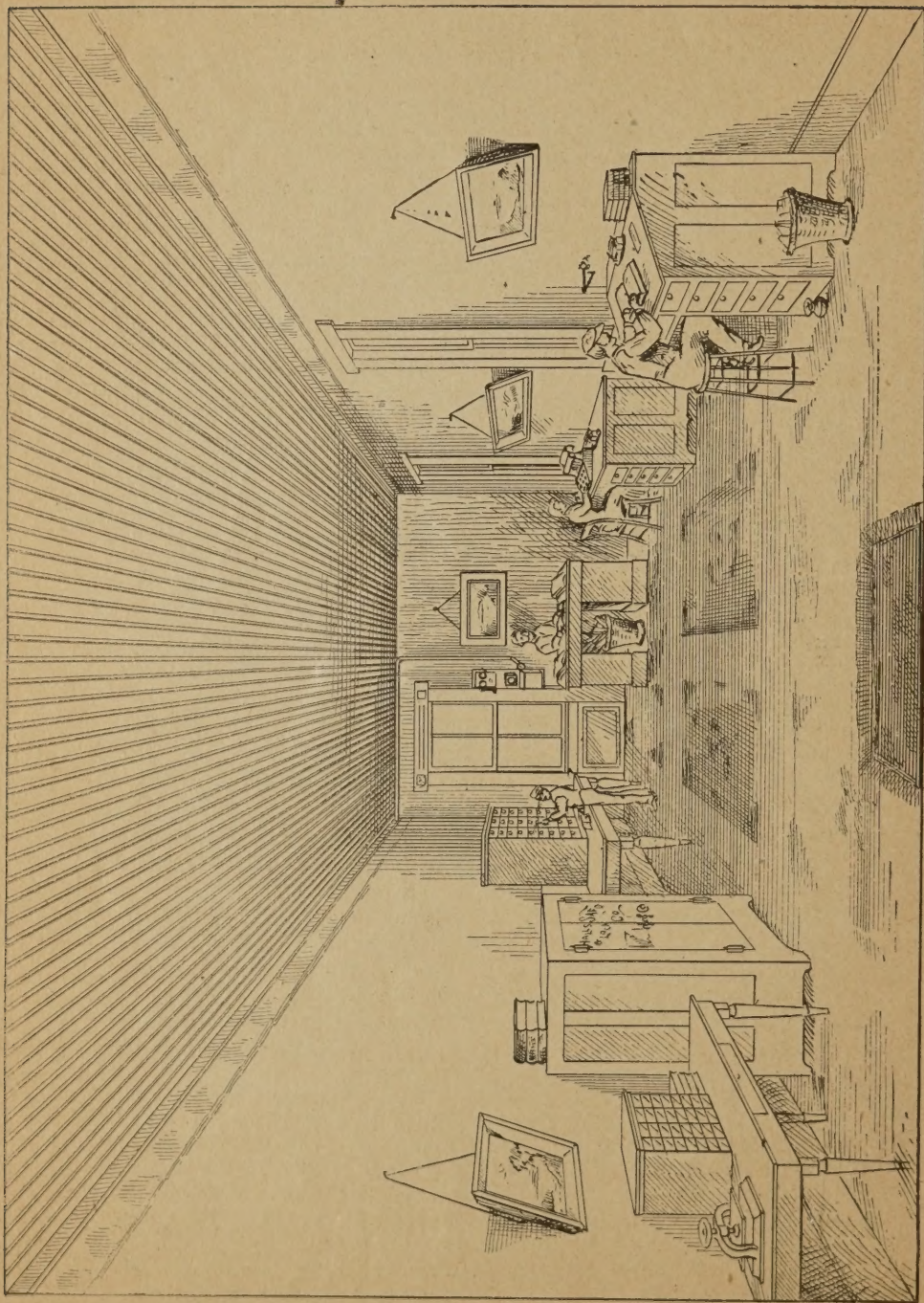
Morrow, Ohio, January 11, 1888.

Cambridge Roofing Co.:

Gentlemen—This is to certify that I have used Crowl's Patent Iron Roofing, manufactured by you, and find it superior to the Separate Cap Roofing, which will in time get loose and blow off. I find that Crowl's Patent Roofing gives entire satisfaction in every particular, where used and put on properly. It makes a much better appearance than the plain roofing, as it has two corrugations through the center, taking the buckle out of the sheets, preventing the rattle on the roof.

Yours truly,

WILLIAM HERMAN.



THIS IS A CUT OF OUR MAIN OFFICE AT CAMBRIDGE, OHIO.
Ceiling of Beaded Iron Painted Pea Green, which is Admired by Every One.

INDEX.

	PAGE.
Beaded Iron.....	13
Crowl's Patent Steel Roofing.....	1 to 6
Comb.....	6
Chimneys.....	8 and 17
Corrugated Iron.....	14
Curved Corrugated Iron.....	19
Clapboards.....	19
Crimped Edge Roofing.....	20
Capping.....	25
Cornice.....	25
Directions for Laying Crowl's Patent.....	5
Directions for Laying Plain Roll.....	11
Eureka Iron Roofing.....	12
Eave Trough.....	24
Foundation for Roofing.....	5
Felt	9
Gutters	7
Hipps.....	6 and 18
How to Estimate Corrugated Iron.....	15
Iron Work.....	23
Material Used.....	4
Nails and Paint.....	11
Pitch of Roof.....	5 and 11
Plain Roll Roofing.....	10
Paints.....	22
Rolled Cap Roofing.....	12
Rules of Measurement.....	21
Tools.....	5 and 11
Trimnings.....	11
Testimonials.....	30 to 40
Valleys	7 and 18
Weights of Steel and Iron.....	16



FIRE!! FIRE!! FIRE!!!

This cut is "A Living Witness" to the great protection afforded against fire by Steel Roofing and Iron Siding. It is a photograph taken by T. M. Mackey, Artist, of Cambridge, Ohio, on the morning of June 13, 1889. During the night a large wood work factory, located between the two buildings shown, burned down and the center of this cut shows the ruins. The factory at the left was only twelve feet away and the house at the right sixteen feet. Being covered with steel and iron both were saved. This carries its own conviction to the mind of every thinking man when deciding what to use for building material.